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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Ryusuke Sawatari

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06/16/2006

SONNENSCHN NATH & ROSENTHAL LLP

P.O. BOX 061080

WACKER DRIVE STATION, SEARS TOWER

CHICAGO, IL 60606-1080

EXAMINER

HUYNH, BA

ART UNIT

PAPER NUMBER

2179

DATE MAILED: 06/16/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 09/897,172	<b>Applicant(s)</b> SAWATARI, RYUSUKE	
	<b>Examiner</b> Ba Huynh	<b>Art Unit</b> 2179	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 20 March 2006.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 112***

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-18 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

As for claim 1, line 6: The phrase “virtual space position information in a coordinate system that changes based on link movement” is not clear as to whether the phrase “that” refers to the link position or the coordinate system, i.e., it is not clear as to what being changed.

### ***Claim Rejections - 35 USC § 102***

Claims 1-18 are rejected under 35 U.S.C. 102(e) as being anticipated by US patent #6,636,249 (Rekimoto).

- As for claims 1, 12: Rekimoto teaches a link information display device and corresponding method for displaying link information transmitted by a link information transmitter (see abstract; 8:50-60), comprising the means/steps of: video input means 21 for obtaining video signal of real space (6:65-66; 8:61-68), receiving means for receiving the link information comprising link content information and link position information wherein the link position information comprises virtual space position information in a coordinate system that changes

based on link movement in virtual space, i.e., when the link moves or being displaced the link position information changes correspondingly (7:25-29, 58-61; 9:10-25; 12:53-56),

display position determining means for determining a display position of the link content information on the basis of the link position information (7:63-8:1; 9:46),

superimposing means for superimposing the link content information onto the video signal (8:5-15; 9:36-39), and

display means 11 for displaying the superimposed video signal (8:1-3; 9:36-39). See also descriptions of figures 6, 13 and 22.

- As for claim 2: The image input means comprises camera 21 for imaging the image signal of an actual object (6:65-66; 8:61-68).
- As for claim 3: The image input means comprises an image signal reproducing device for reproducing the image signal stored onto an image recording medium (6:65-66; 8:61-68; 9:40-42).
- As for claims 4, 18: The device further comprises a storing means for storing the superimposed image signal (9:40-42).
- As for claims 5, 13: The device further comprises attribute detection means for detecting attribute information from the received link information (7:24-28, 58-61; 8:50-61).
- As for claims 6, 14: Link information can be selected based on detected attribute (7:34-39; 8:61-67).

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- As for claims 7, 15: The device further comprises link position detection means for detecting link position information from the received link information (7:24-28; 8:50-61).
- As for claim 8: The device further comprises transmitter detection means for detecting the position of the transmitter in accordance with the received link information (9:20-25; 19:29-39; 20:17-43).
- As for claims 9, 10, 11, 16, 17: The device further comprises coordinate conversion means for determining a display position to display a link on the display means in accordance with the link position information (9:64 – 10:6; 26:36-67).

### ***Response to Arguments***

Applicant's arguments have been fully considered but they are not persuasive.

Remarks: In response to the argument that Rekimoto does not teach that the link position information comprises virtual space position information in a coordinate system that changes based on link movement in virtual space, the limitation is disclosed by Rekimoto in col. 8, lines 50-60, col. 12, lines 53-56, and in col. 19, line 40 to col. 20, line 29, wherein IR beacon, GPS or PHS is used to detect current link position attached to a movable object in real world such as a VCR, a book, or a CD where ever the object is placed or moved to.

### ***Conclusion***

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The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US 6,084,589 (Shima) discloses a system for retrieving link information associated with moving objects.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ba Huynh whose telephone number is (571) 272-4138. The examiner can normally be reached on Mon - Fri.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo can be reached on (571) 272-4847. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ba Huynh  
Primary Examiner  
AU 2179  
6/8/06

BA HUYNH  
PRIMARY EXAMINER

